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Our File No. 9281-4659

Client No. N US02096

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Naoya Hasegawa et al.)
Serial No. To be Assigned)
Filing Date: Herewith)
For Magnetic Detecting Element Having)
Antiferromagnetic Film Having Predetermined)
Space in Track Width Direction and Method for)
Manufacturing the Same)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references A1 – A5 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

Japanese Unexamined Patent Application Publication No. 2000-163717 discloses a recessed pinning antiferromagnetic layer. Japanese Unexamined Patent Application Publication No. 2001-256617 and Japanese Unexamined Patent Application Publication No. 2001-13910 each disclose a recessed free antiferromagnetic layer. Japanese Unexamined Patent Application Publication No. 8-7225 discloses a write head comprising a recessed lower core layer.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to

patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

Respectfully submitted,



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FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	SERIAL NO. To be Assigned	CASE NO. 9281-4659
	FILING DATE Herewith	GROUP ART UNIT
	APPLICANTS: Naoya Hasegawa et al.	

REFERENCE DESIGNATION **U.S. PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A2	Japanese Unexamined Patent Application Publication No. 8-7225	01/1996	Japan		x	
	A3	Japanese Unexamined Patent Application Publication No. 2001-13910	01/2001	Japan		x	
	A4	Japanese Unexamined Patent Application Publication No. 2001-256617	09/2001	Japan		x	
	A5	Japanese Unexamined Patent Application Publication No. 2000-163717	06/2000	Japan		x	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.